

APPLICATION FOR EXTENSION OF BROADCAST CONSTRUCTION  
PERMIT OR TO REPLACE EXPIRED CONSTRUCTION PERMIT

(CAREFULLY READ INSTRUCTIONS ON BACK BEFORE COMPLETING)

For Commission Use Only

File No.

1. Legal Name of Applicant (See Instruction C)

Positive Alternative Radio Inc.

2. Mailing Address (Number, street, city, state, ZIP code)

P. O. Box 889  
Blacksburg, Va. 24063

3. PURPOSE OF APPLICATION:



a. Additional time to construct broadcast station



b. Construction permit to replace expired permit

Telephone No. (Include Area Code)  
(703) 552-4252

4. IDENTIFICATION OF OUTSTANDING CONSTRUCTION PERMIT:

File Number  
BAPED 920403HI

Call Letters  
WPIR-FM

Frequency  
90.9 MHz

Channel No.  
-

Station Location  
Bluefield, W. V.

5. OTHER:

Submit as Exhibit No. \_\_\_\_\_ a list of the file numbers of pending applications concerning this station, e.g., major or minor modifications, assignments, etc.

6. EXTENT OF CONSTRUCTION:

(a) Has equipment been delivered? ☐ YES ☐ NO

If NO, answer the following: See Exh. A

From Whom Ordered (If no order has been placed, so indicate)

See Exh. A

(b) Has installation commenced? ☐ YES ☐ NO

See Exh. A

If YES, submit as Exhibit No. \_\_\_\_\_ a description of the extent of installation and the date installation commenced.

Date Ordered

Date Delivery Promised

(c) Estimated date by which construction can be completed.  
Within 180 days

7. (a) If application is for extension of construction permit, submit as Exhibit No. A reason(s) why construction has not been completed.

(b) If application is to replace an expired construction permit, submit as Exhibit No. \_\_\_\_\_ the reason for not submitting a timely extension application, together with the reason(s) why construction was not completed during the period specified in the construction permit or subsequent extension(s).

8. Are the representations contained in the application for construction permit still true and correct? ☒ YES ☐ NO

If NO, give particulars in Exhibit No. \_\_\_\_\_

The APPLICANT hereby waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application (See Section 304 of the Communications Act of 1934 as amended)

STATEMENT REGARDING PROGRESS ON WPIR

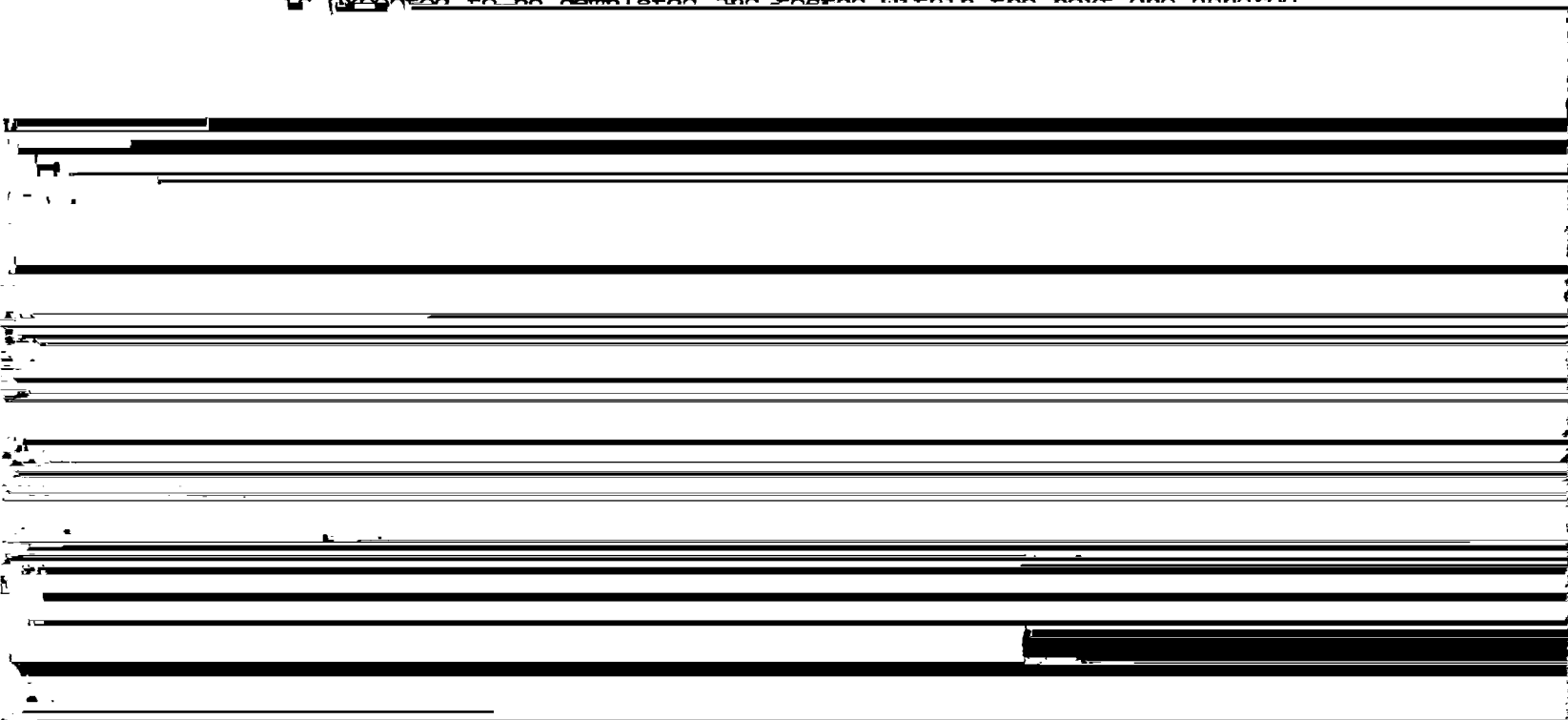
The transmitter is under test at Phasetek Inc. by Mr. Kurt Gorman. See Letter, Exhibit A, Page 2 and photos, Page 3.

Audio processing equipment and production facilities are on hand. The directional one-bay antenna is shown in photo at the tower site, page 3.

The installation is to be completed by Phasetek Inc; the tower work by Paging Inc which owns the tower, and testing is to be done by Hawkins Broadcast Technical Service of Kannapolis, N. C., phone 704 932-3940.

The antenna site is located 3650 ft ( 1112 meters) above sea level and during part of February and most of March 1993, the area has been covered with snow and ice. The road to the site has virtually been impassable to vehicles.

The antenna, transmitter, etc. and other installation is ~~expected to be completed and tested within the next one hundred~~



## **PHASETEK INC.**

550 California Road - Unit 11  
Quakertown, PA 18951  
Phone: (215) 536-6648  
Fax: (215) 536-7180

March 25, 1993

Vernon H. Baker  
P.O. Box 889  
Blacksburg, VA 24060

Subject: WPIR TRANSMITTER

Dear Vernon:

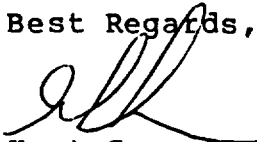
With respect to our telephone conversation, let me state briefly the status of the transmitter at our plant for 90.9 MHz. I know it has been quite a long time that we have had the unit, we have made our best possible effort to get the unit re-tuned and operating within specifications as quickly as possible. Due to delays on manpower and parts availabiltiy, it has taken longer than expected.

At this point in time we are finishing up the operational testing and I expect to complete before the end of April, assuming no further parts delays or problems.

Also, please find attached a picture of the transmitter in test.

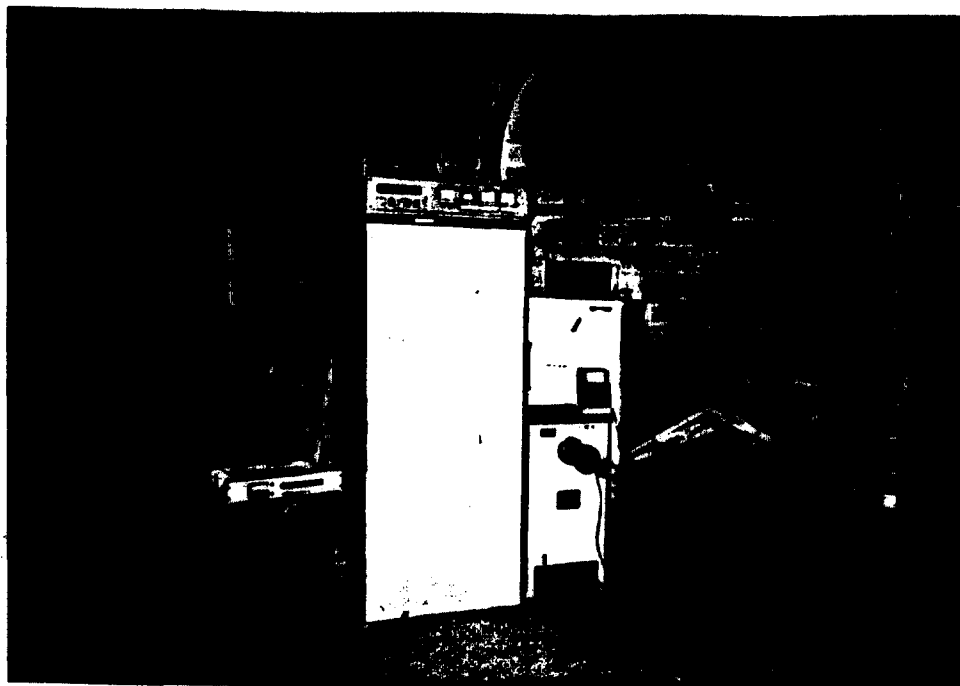
Thank you for your understanding in the matter.

Best Regards,

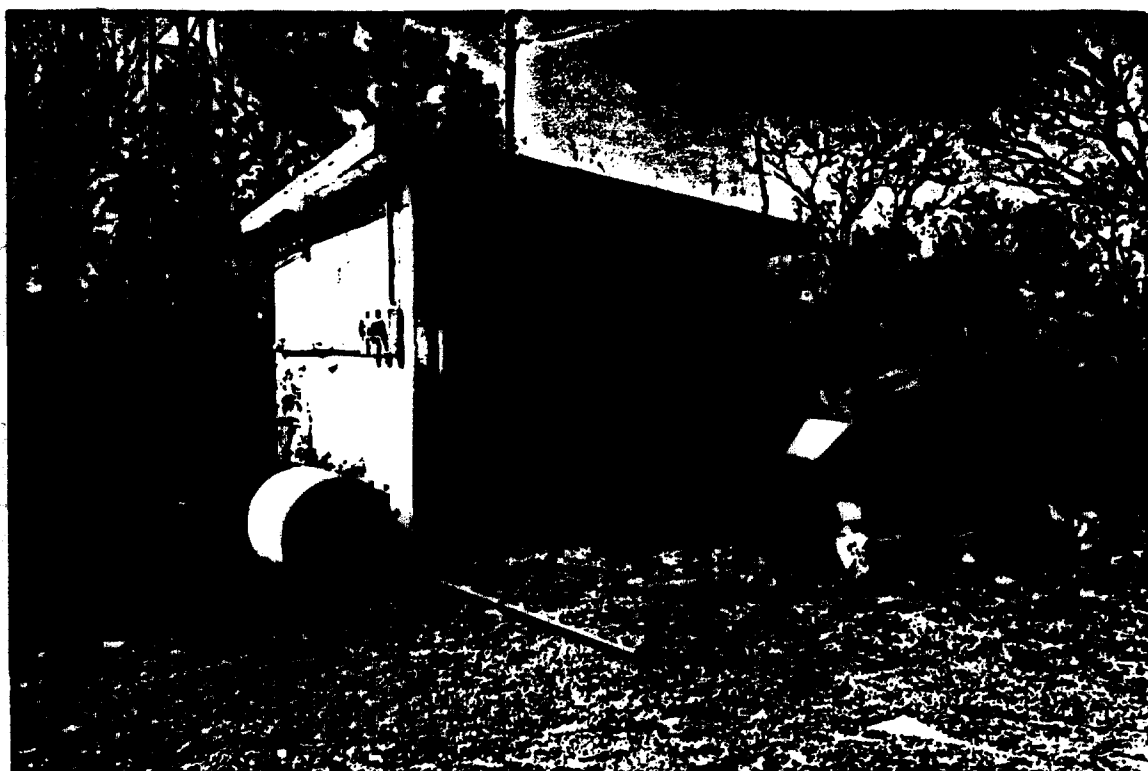


Kurt Gorman  
President

w/encl.



Picture of WPIR transmitter under test at  
Phasetek Inc.



One-bay WPIR antenna on ground at the transmitter  
building and tower on East River Mountain which  
is 3650 ft above sea level.

**EXHIBIT D**

Federal Communications Commission

FOIA 307

## EXHIBIT A

### STATEMENT

The transmitter is under test at Phasetek Inc. in Quakertown, PA, Phone # 215-536-6648. Antenna design is attached, and is to be delivered by ERI. See data attached.

There has been a delay in getting the verbal tower site agreement in writing and signed with the land owner, Mr. Phil Dulaney, Phone # 804-293-9107. The delay is due in part to the fact that the site is within a few feet of the line or on the line dividing Nelson County, Virginia and Augusta County, Virginia. These counties have different zoning ordinances, but the Nelson County Planning Director indicated that a tower would be allowed in Nelson County, so the main delay is getting a county line survey made in order to insure that the tower is located in Nelson County.

The studio building has been completed and STL application will be filed after the site agreement is settled. The audio equipment is on hand.

OCTOBER 21, 1992

CIRCULARLY POLARIZED DIRECTIONAL ANTENNA SYSTEM  
PROPOSED FOR RADIO STATION WPVA  
LOCATED IN WAYNESBORO, VA

Electronics Research Inc. proposes to provide a custom fabricated directional antenna system that is specially designed to meet the F.C.C. requirements and the general needs of radio station WPVA.

The antenna is the E.R.I. LP-2E-DA-HW configuration. The proposed circular polarized system consists of two half-wavelength spaced bays using one driven circular polarized radiating element per bay, 2 horizontal parasitic elements per bay and 2 vertical parasitic elements interleaved between the bays. The antenna will be tested on a 24" face tower, which is the structure recommended to support the proposed array. All tests will be performed on a frequency of 90.1 megahertz which is the center of the FM broadcast channel assigned to WPVA.

Pattern measurements will be made on a fifty-acre antenna pattern range which is owned and operated by Electronics Research, Inc. The tests will be performed under the direction of Thomas B. Silliman, president of Electronics Research, Inc. Mr. Silliman has both the Bachelor of Electrical Engineering and the Master of Electrical Engineering degrees from Cornell University, and is also a registered professional engineer in the states of Indiana, Maryland and Minnesota.

DESCRIPTION OF THE TEST PROCEDURE

The test antenna will consist of the complete circular polarized system with the associated horizontal and vertical parasitic elements. The elements and brackets that will be used in this test are electrically equivalent to those that will be supplied with the proposed antenna. Sections of 1 5/8 inch o.d. rigid coaxial line will be used to feed the test antenna, and sections of 1 5/8 inch o.d. rigid outer conductor only will be attached above the test antenna. The lines will be properly grounded during all tests.

The proof-of-performance will be accomplished using a supporting structure of identical dimensions and configuration as the proposed 24" face tower, including all braces, ladders, conduits, coaxial lines and other appurtenances that are included



OCTOBER 21, 1992

CIRCULARLY POLARIZED DIRECTIONAL ANTENNA SYSTEM  
PROPOSED FOR RADIO STATION WPVA  
LOCATED IN WAYNESBORO, VA

(Continued)

in the actual aperture at which the proposed antenna will be installed. In order to fabricate an accurate model of the support structure E.R.I. will need accurate prints of it. These prints need to include the orientation of the support structure relative to true north, size and method of attachment of the legs and support braces in the antenna aperture. The location of guy attachments in the aperture must also be displayed. It is preferred and in most cases imperative, that guy wires occurring in the aperture of the proposed antenna be made of an insulating material. The location and method of attachment of all conduits, ladders, feed lines, lighting devices and other appurtenances which are located in the aperture of the proposed antenna must also be included in the prints.

The 24" face tower will be erected vertically on a turntable mounted on a non-metallic building with the antenna centered vertically on the structure, making the center of radiation of the test approximately 25 feet above ground. The turntable is equipped with a motor drive and azimuth indicating mechanism, resolution of this azimuth measuring system is one-tenth of a degree.

The antenna under test will be operated in the transmitting mode and fed from a Wavetek Model 3000 signal generator. The frequency of the signal source will be set at 90.1Mhz and will be constantly monitored by an Anritsu Model ML521B measuring receiver.

A broad-band horizontal and vertical dipole system, located approximately 628 feet from the test antenna, and mounted at the same height above terrain as the center of the antenna under test, will be used to receive the emitted test signals. The signals received by the dipole system will be fed to test building by way of two buried Heliac cables to an Anritsu Model ML521B measuring receiver. This data will be interfaced to a Hewlett-Packard Model 9872C plotter by means of a Hewlett-Packard Model 86 computer system. Relative field strength will be plotted as a function of azimuth.

The measurements will be performed by rotating the test antenna in a counter-clockwise direction and plotting the received signal

OCTOBER 21, 1992

CIRCULARLY POLARIZED DIRECTIONAL ANTENNA SYSTEM  
PROPOSED FOR RADIO STATION WPVA  
LOCATED IN WAYNESBORO, VA

(Continued)

on polar co-ordinated graph paper in a clockwise direction. Both horizontal and vertical components will be recorded separately.

CONCLUSIONS

The proposed circular polarized system consists of two half-wavelength spaced bays using one driven circular polarized radiating element per bay, 2 horizontal parasitic elements per bay and 2 vertical parasitic elements interleaved between the bays. The power distribution and phase relationship will be fixed when the antenna is manufactured. Proper maintenance of the elements should be all that is required to maintain the pattern in adjustment.

The pattern shown on figure # 1 is based on measured data with a similar array orientated on a similar structure with a face and the antenna at a bearing of north 120 degrees east. Actual antenna orientation will be determined when the antenna is tested. Blue prints provided with the antenna will show the proper antenna orientation alignment. The antenna alignment procedure should be directed by a licensed surveyor as prescribed by the FCC.

Deicers are not supplied and are not available. The use of radomes is recommended if icing conditions will exist at the proposed site.

OCTOBER 21, 1992

CIRCULARLY POLARIZED DIRECTIONAL ANTENNA SYSTEM  
PROPOSED FOR RADIO STATION WPVA  
LOCATED IN WAYNESBORO, VA

(Continued)

The envelope pattern obtained from the maximum individual horizontal or vertical components will not exceed a rate of change of 2 DB per any ten degree change in azimuth as measured in the horizontal plane.

The approximate weight of the antenna minus the mounting structure is 199 lbs. The approximate windload of the antenna minus the mounting structure is 371 lbs based on 50/33 PSF (112 MPH wind) with no ice build up. The clear vertical length of the structure required to support the antenna is 21 feet if the antenna is to be top mounted.

The directional antenna should not be mounted on the top of an antenna tower which includes a top-mounted platform larger than the cross-sectional area of the tower in the horizontal plane. No other obstructions other than those that are specified by the blue prints supplied with the antenna are to be mounted at the same tower level as the directional antenna. No obstruction of any type is to be within 75ft horizontally of the antenna system. The vertical distance to the nearest obstruction should be a minimum of 10ft from the directional antenna.

The calculated maximum power gain of the envelope pattern as shown on figure # 1 is .81633 (-.88135dB), which would require an input power of 3.0625 kilowatts. A calculated power gain of an antenna that has a horizontal and vertical R.M.S. that is equal to 85% of the R.M.S. of the envelope would have a power gain of 1.1299 and would require an input power of 2.2127 kilowatts. The input flange to the antenna is 1 5/8 inch male.

*Tom Schaf* (B2)

ELECTRONICS RESEACH, INC.  
108 Market Street  
Newburgh, In 47630

FOR FIGURE: 1    OCTOBER 21, 1992  
HORIZONTAL PLANE RELATIVE FIELD & DBK LIST  
FOR RADIO STATION WPVA 90.1MHz

-----

| AZIMUTH | H POL<br>RELATIVE<br>FIELD | H POL<br>DBK | H POL<br>POWER<br>KW | V POL<br>RELATIVE<br>FIELD | V POL<br>DBK | V POL<br>POWER<br>KW | AZIMUTH | H POL<br>RELATIVE<br>FIELD | H POL<br>DBK | H POL<br>POWER<br>KW | V POL<br>RELATIVE<br>FIELD | V POL<br>DBK | V POL<br>POWER<br>KW |
|---------|----------------------------|--------------|----------------------|----------------------------|--------------|----------------------|---------|----------------------------|--------------|----------------------|----------------------------|--------------|----------------------|
|---------|----------------------------|--------------|----------------------|----------------------------|--------------|----------------------|---------|----------------------------|--------------|----------------------|----------------------------|--------------|----------------------|

# HORIZONTAL PLANE RELATIVE FIELD PATTERN

Call & Location:

WPVA

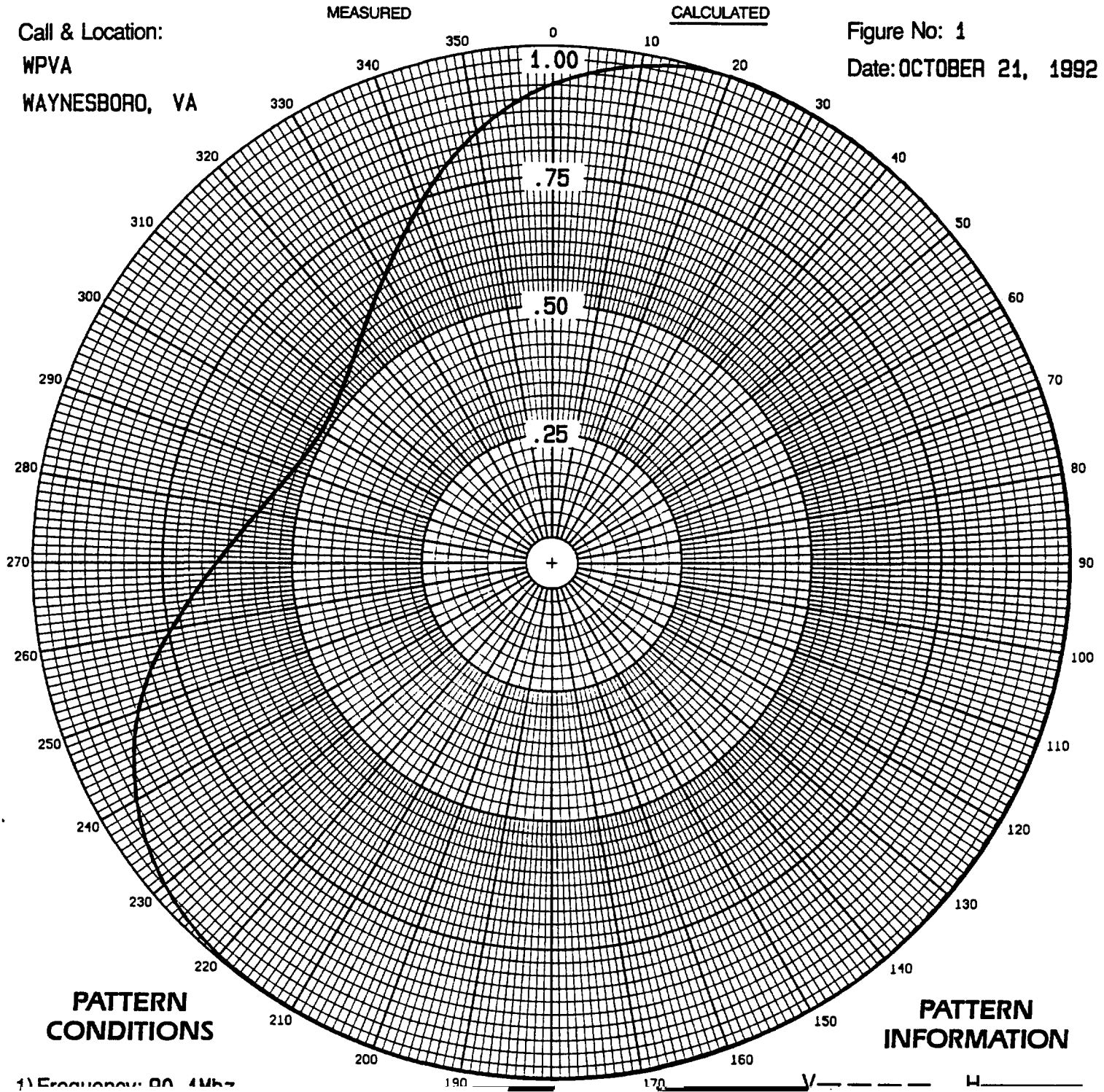
WAYNESBORO, VA

MEASURED

CALCULATED

Figure No: 1

Date: OCTOBER 21, 1992



ELECTRONICS RESEARCH, INC.  
100 MARKET STREET  
NEWBURGH, IN. 47630

-----THEORETICAL-----  
VERTICAL PLANE RELATIVE FIELD

ELEMENT SPACING:

**EXHIBIT E**

APPLICATION FOR EXTENSION OF BROADCAST CONSTRUCTION  
PERMIT OR TO REPLACE EXPIRED CONSTRUCTION PERMIT  
(PLEASE READ INSTRUCTIONS ON BACK BEFORE COMPLETING)

For Commission Use Only

File No.

|   |   |                              |                         |                       |                    |                                     |  |
|---|---|------------------------------|-------------------------|-----------------------|--------------------|-------------------------------------|--|
| Legal Name of Applicant (See Instruction C)<br><br>GOLDEN RULE ORGANIZATION WORKSHOP, INC.                  | 3. PURPOSE OF APPLICATION:<br><input type="checkbox"/> a. Additional time to construct broadcast station<br><input checked="" type="checkbox"/> b. Construction permit to replace expired permit  |                              |                         |                       |                    |                                     |  |
| Mailing Address (Number, street, city, state, ZIP code)<br>Post Office Box 889<br>Blacksburg, VA 24063-0889 | 4. IDENTIFICATION OF OUTSTANDING CONSTRUCTION PERMIT:<br><table border="1"><tr><td>File Number<br/>BPED-861229MB</td><td>Call Letters<br/>WPRH-FM</td></tr><tr><td>Frequency<br/>91.1 MHz</td><td>Channel No.<br/>216</td></tr><tr><td colspan="2">Station Location<br/>Galax, Virginia</td></tr></table> | File Number<br>BPED-861229MB | Call Letters<br>WPRH-FM | Frequency<br>91.1 MHz | Channel No.<br>216 | Station Location<br>Galax, Virginia |  |
| File Number<br>BPED-861229MB  | Call Letters<br>WPRH-FM   |                              |                         |                       |                    |                                     |  |
| Frequency<br>91.1 MHz   | Channel No.<br>216  |                              |                         |                       |                    |                                     |  |
| Station Location<br>Galax, Virginia   |   |                              |                         |                       |                    |                                     |  |
| Telephone No. (Include Area Code)<br>(703) 552-4252   |   |                              |                         |                       |                    |                                     |  |

OTHER:  
Submit as Exhibit No. \_\_\_\_\_ a list of the file numbers of pending applications concerning this station, e.g., major or minor modifications, assignments, etc.

5. EXTENT OF CONSTRUCTION:

|  |   |
|--|---|
| (a) Has equipment been delivered? <input type="checkbox"/> YES <input type="checkbox"/> NO<br>If NO, answer the following: See Exhibit 1 | (b) Has installation commenced? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br>If YES, submit as Exhibit No. _____ a description of the extent of installation and the date installation commenced. |
| From Whom Ordered (If no order has been placed, so indicate)<br>See Exhibit 1  |   |
| Date Ordered<br>See Exhibit 1  | Date Delivery Promised<br>See Exhibit 1   |
| (c) Estimated date by which construction can be completed.<br>8/30/92  |   |

7. (a) If application is for extension of construction permit, submit as Exhibit No. 1 reason(s) why construction has not been completed.

(b) If application is to replace an expired construction permit, submit as Exhibit No. 1 the reason for not submitting a timely extension application, together with the reason(s) why construction was not completed during the period specified in the construction permit or subsequent extension(s).

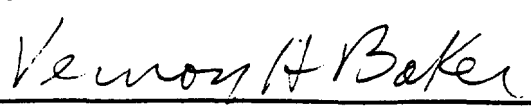
8. Are the representations contained in the application for construction permit still true and correct? ☒ YES ☐ NO  
If NO, give particulars in Exhibit No. \_\_\_\_\_

The APPLICANT hereby waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations and that all the exhibits are a material part hereof and are incorporated herein as set out in full in the application.

CERTIFICATION

I certify that the statements in this application are true and correct to the best of my knowledge and belief, and are made in good faith.

|  |   |
|--|---|
| Legal Name of Applicant<br>GOLDEN RULE ORGANIZATION WORKSHOP, INC. | Signature<br> |
| Director   | Date<br>January 3, 1992   |

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT,  
U.S. CODE, TITLE 18, SECTION 1001.



## EXHIBIT 1

In an effort to improve the coverage of WPRH(FM), an application was filed by Golden Rule Organization Workshop, Inc. (BMPED-901005MJ) to increase height above average terrain and move to a new site. That application appeared on a Non-Commercial Educational FM Broadcast Applications Accepted for Filing and Notification of Cut-Off Date list (Report B-130) released February 26, 1991, with a cut-off date of April 2, 1991. The Golden Rule application was mutually exclusive with the applications of Positive Alternative Radio, Inc. (BPED-901119MC) and Mega Educational Communications Inc. (BPED-900802MD) for Winston-Salem, North Carolina. Pursuant to the February 27, 1991 of Dennis Williams, Chief, FM Branch, the Golden Rule application was amended to specify Class C3 operation rather than Class A as previously proposed.

Applicant accordingly understood that its construction permit would be automatically extended when cut off with other conflicting applications, hence FCC Form 307 was not timely filed for extension.

Applicant has assembled equipment for construction of the proposed station, including a console, recorders, CD players and equipment racks. However, since considerable time and expense is involved in securing the design and construction of the directional antenna proposed by applicant, applicant held off directions to the antenna manufacturer until such time that it received approval from the Commission for modification of its existing construction permit. As the Commission can appreciate, construction of WPRH(FM) at its originally authorized site, etc. could result in de-construction and move of the station upon grant of the pending application to modify the present construction permit, with resulting loss of considerable time and money. In fact, it is entirely possible that prior to completion of construction at the original site, an applicant's construction permit could be modified by the Commission and the station would have to be dismantled before completion and move to the new site.

Accordingly, the reinstatement of construction permit and the provision of additional time for construction of WPRH(FM) are respectfully requested.

**CERTIFICATE OF SERVICE**

I, Margaret A. Ford, Office Manager of the law firm of Booth, Freret & Imlay, do hereby certify that copies of the foregoing OPPOSITION TO FIRST PETITION TO ENLARGE ISSUES AGAINST POSITIVE ALTERNATIVE RADIO, INC. were mailed this 21st day of April, 1993, to the offices of the following:

\*Administrative Law Judge  
Joseph P. Gonzalez  
Federal Communications Commission  
2000 L Street, N. W., Room 221  
Washington, D. C. 20554

\*Norman Goldstein, Esquire  
Hearing Branch, Enforcement Division  
Mass Media Bureau  
Federal Communications Commission  
2025 M Street, N. W., Room 7212  
Washington, D. C. 20554

\*Chief, Data Management Staff  
Audio Services Division  
Mass Media Bureau  
Federal Communications Commission  
1919 M Street, N. W., Room 350  
Washington, D. C. 20554

Lee Jay Peltzman, Esquire  
Shainis & Peltzman  
1255 23rd Street, N. W.  
Suite 500  
Washington, D. C. 20037

  
Margaret A. Ford

\* Via Hand Delivery